

FIG. 1

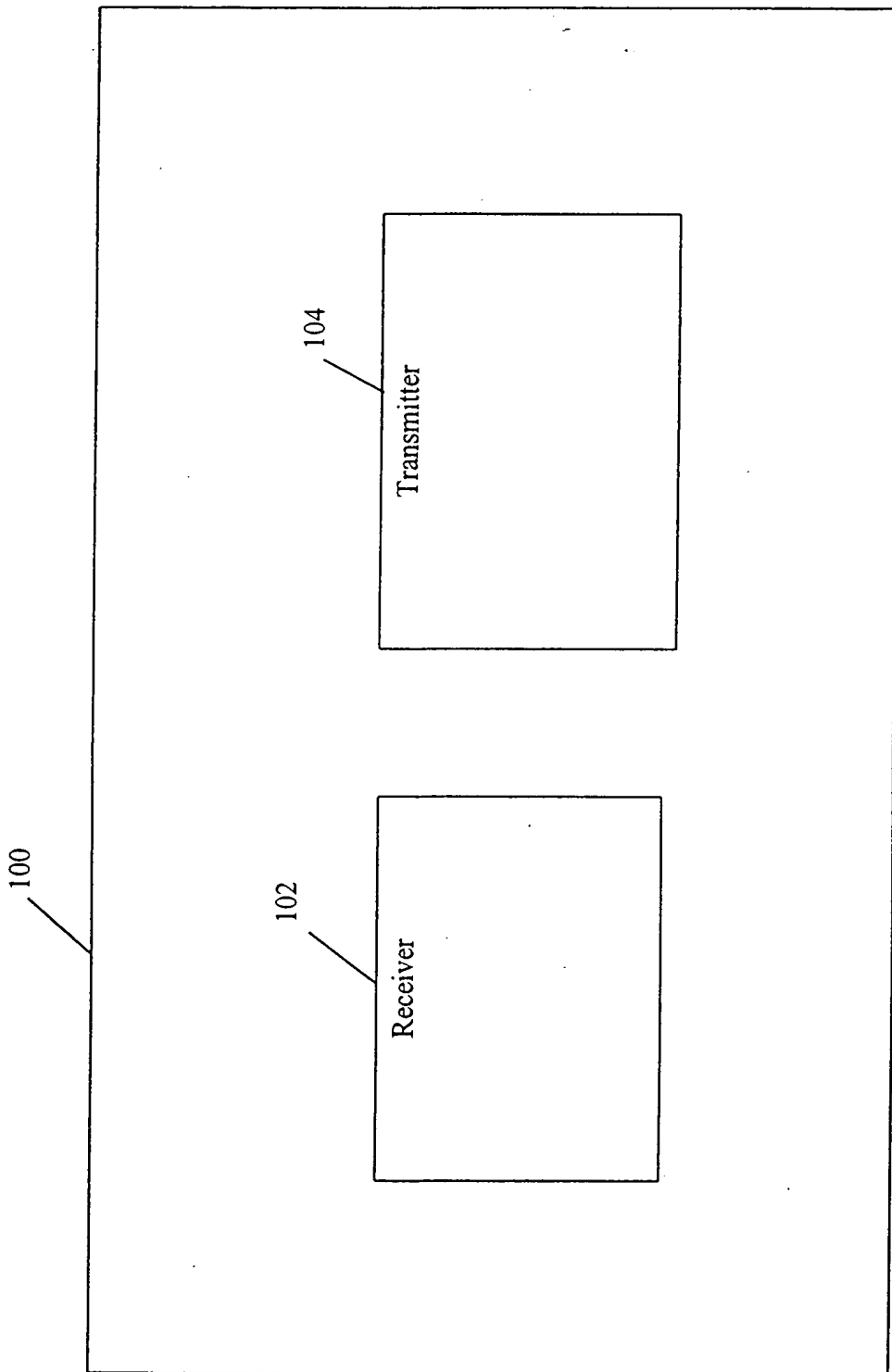


Figure 1

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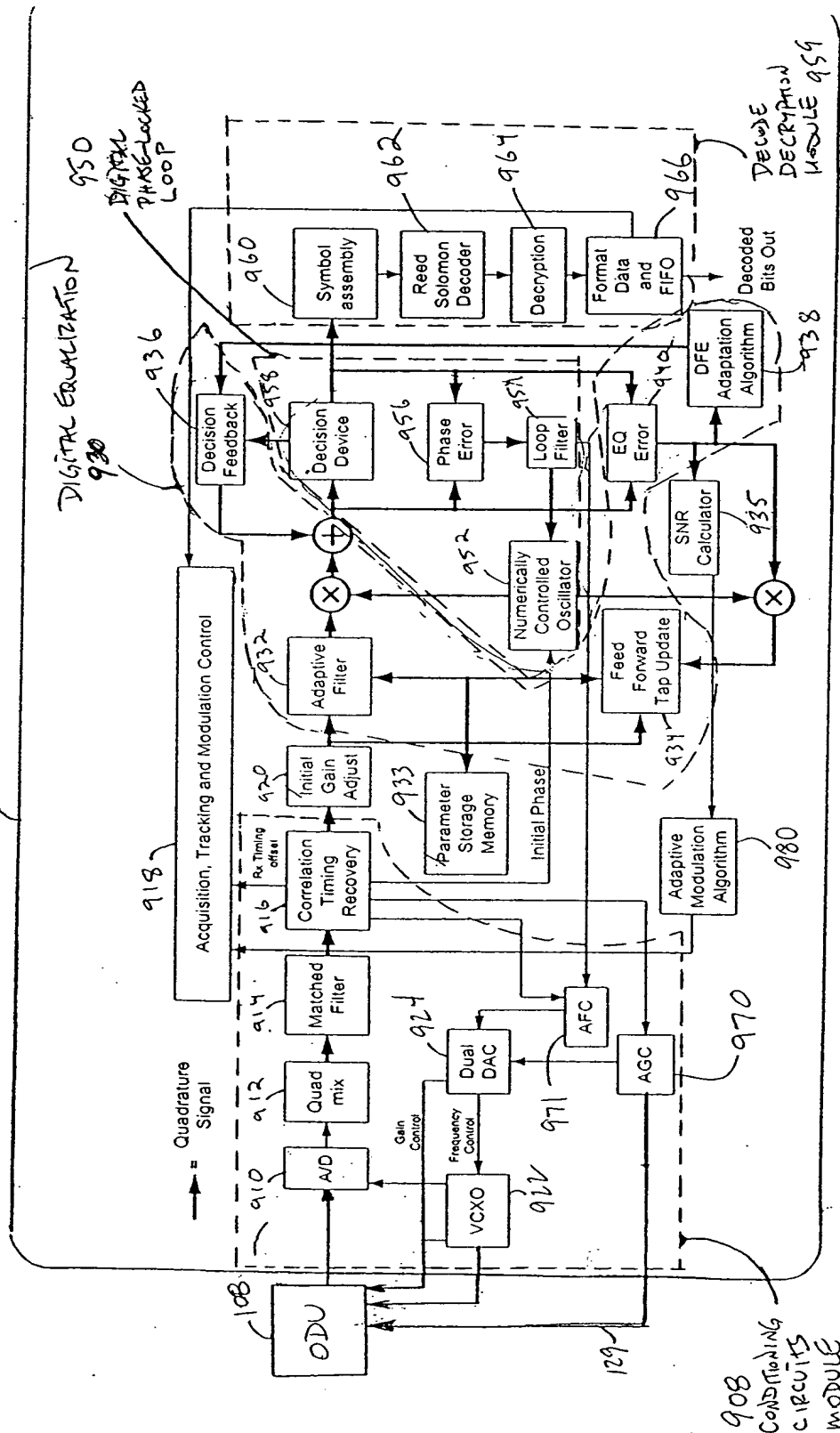


Figure 2

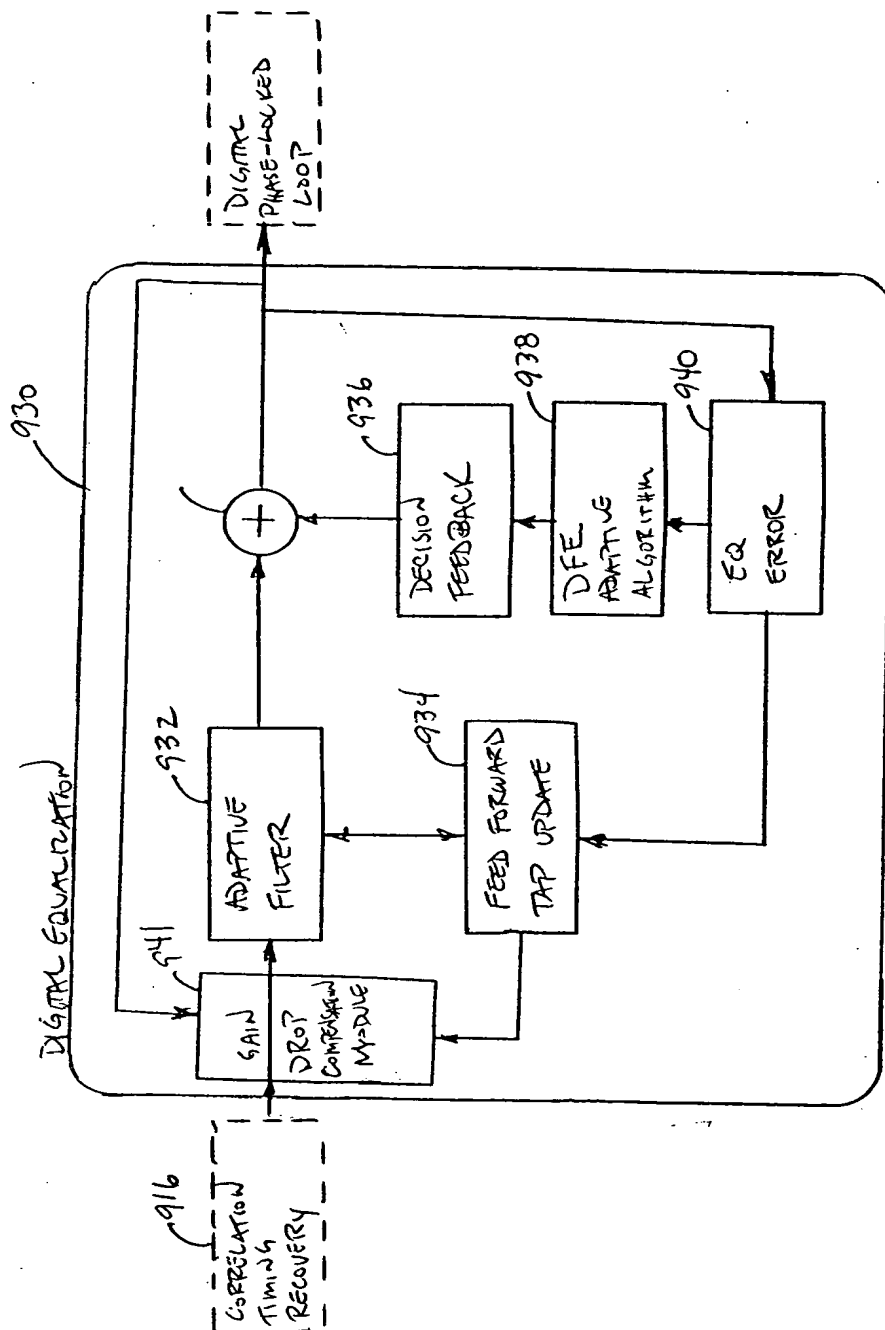
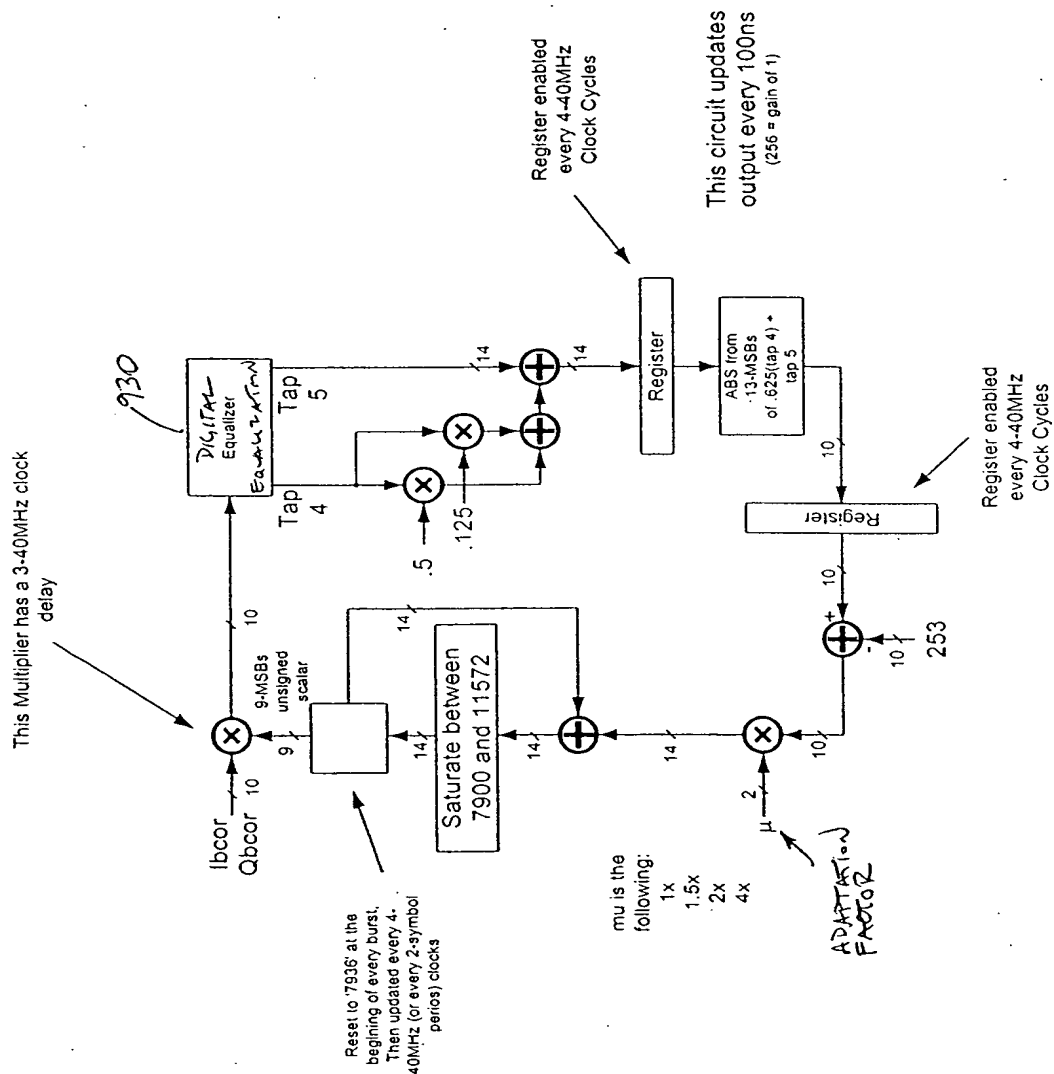


FIG. 3



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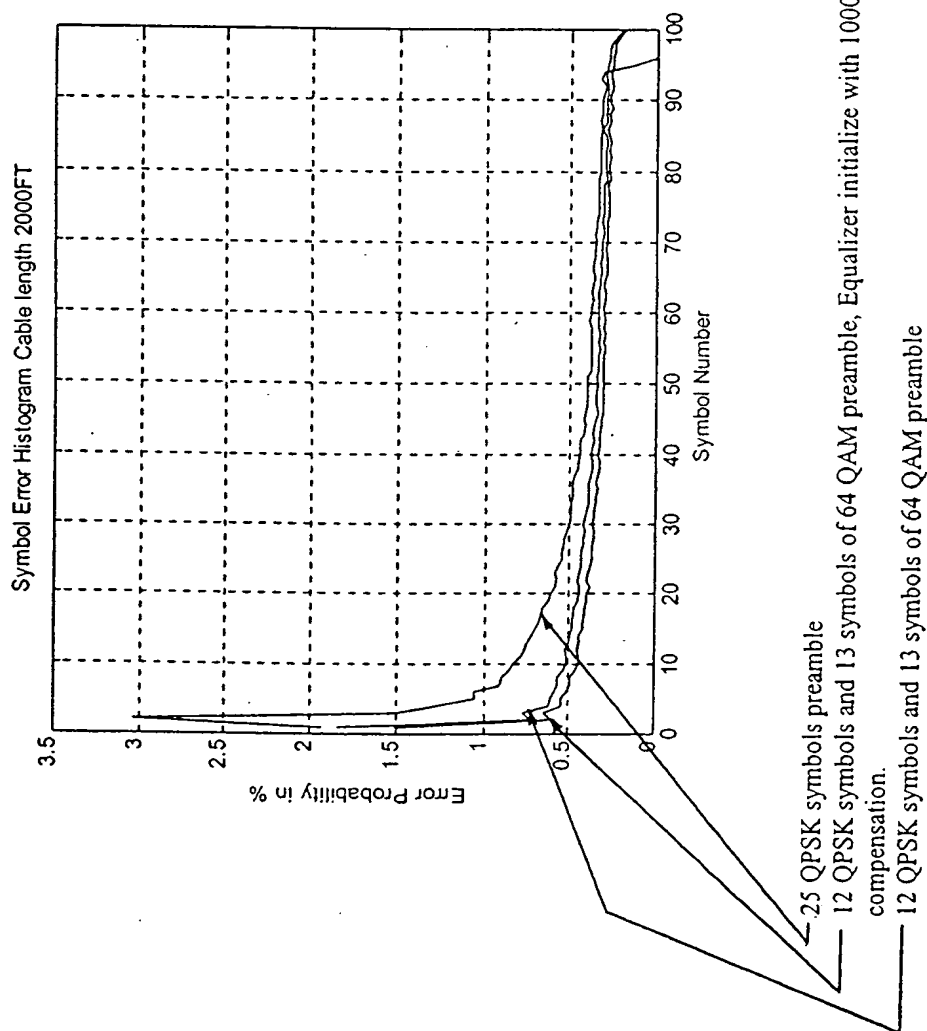


Figure 5

Symbol Error Histogram Cable length 2000FT

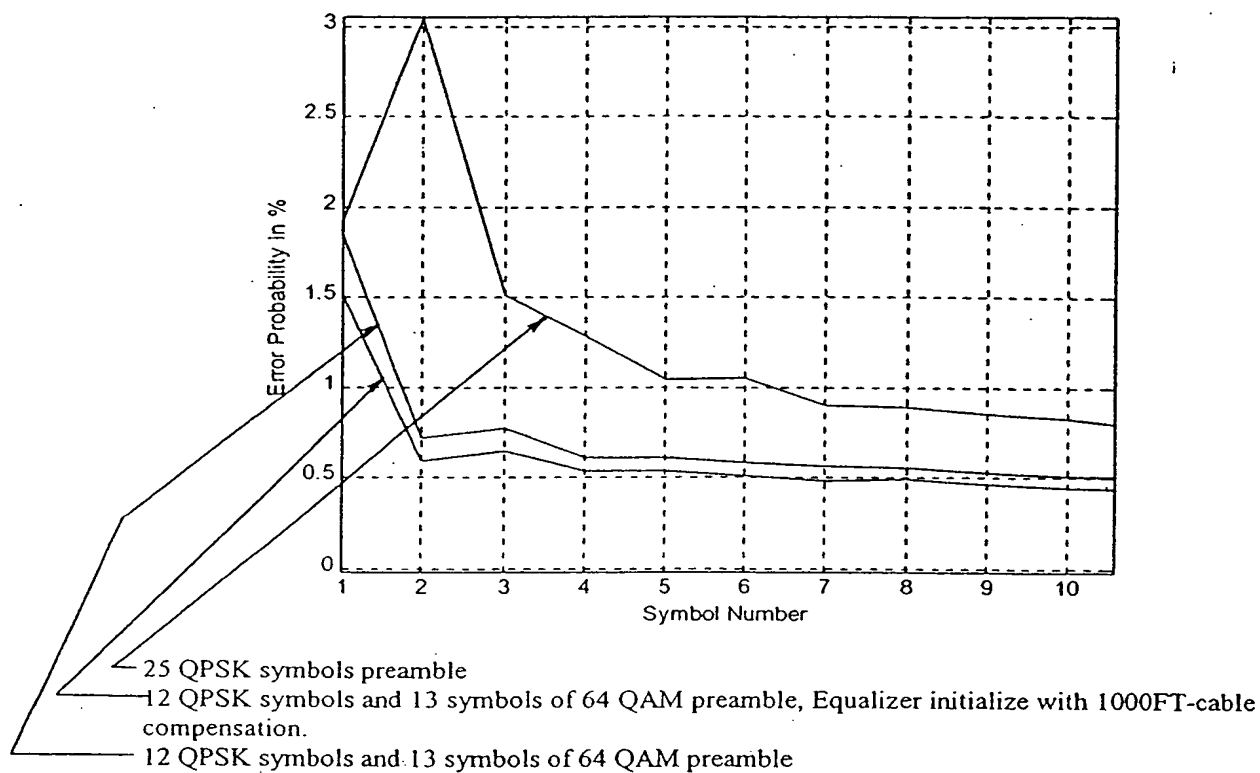


Figure 6

Cable Length	BER with Preamble Type 1	BER with Preamble Type 2	RS Error Rate with Preamble Type 1	RS Error Rate with Preamble Type 2
1000FT	5.42e-4	4.22e-4	6e-6	No Error over a million bursts.
2000FT	8.88e-4	6.55e-4	1.2e-4	1.6e-5

Figure 7

SECRET

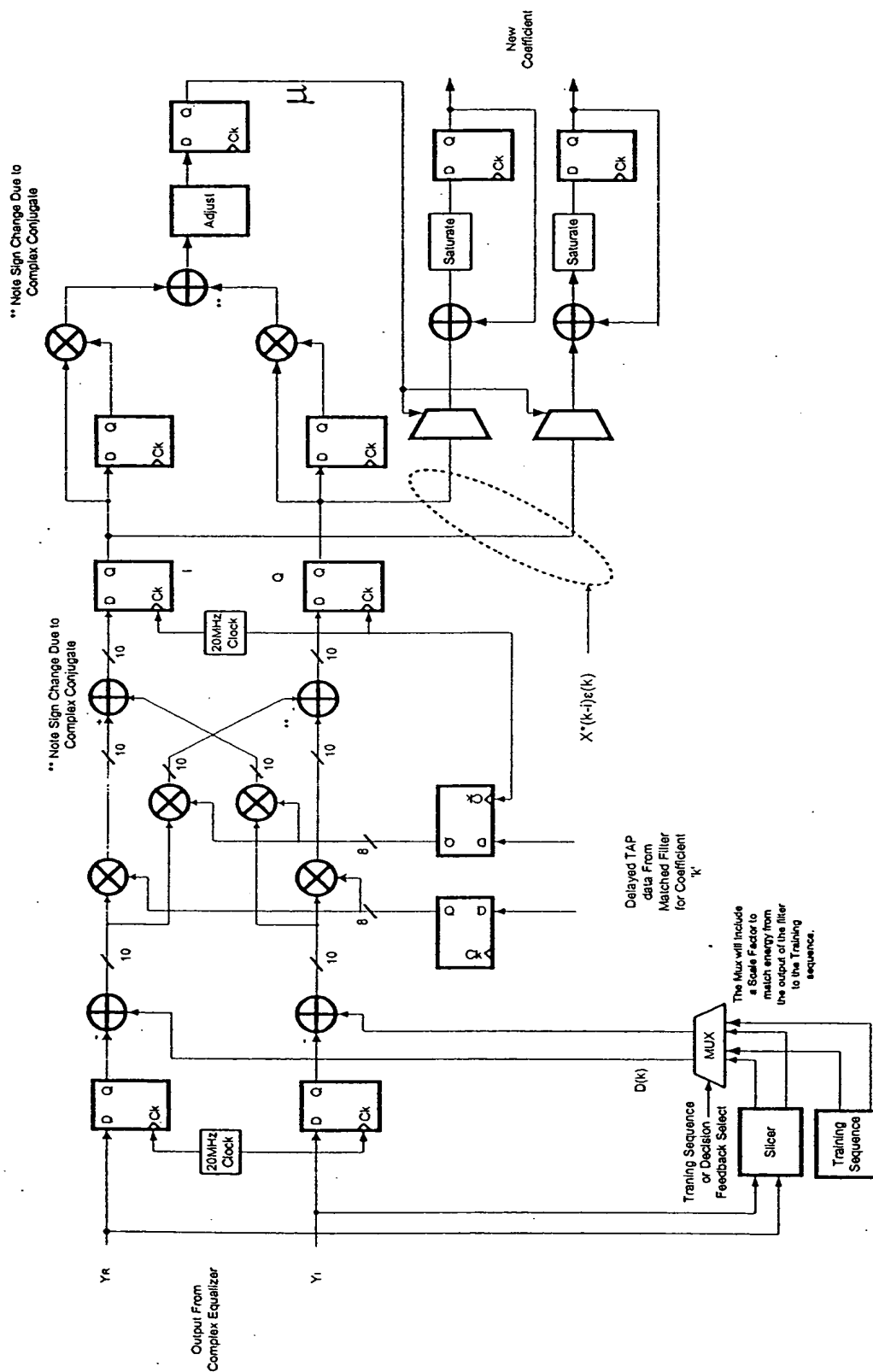
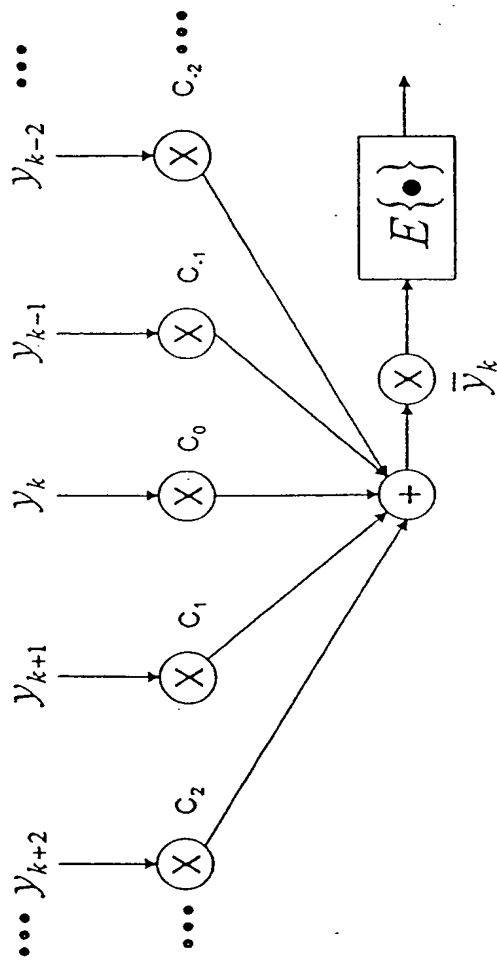
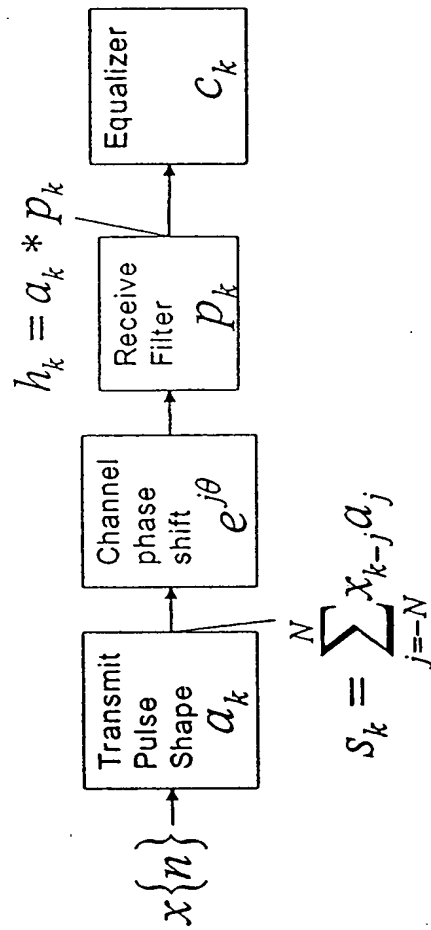


Figure 8



$$y_k = e^{j\theta} \sum_{j=-2N}^{2N} x_{k-j} h_j,$$



$$S_k = \sum_{j=-N}^N x_{k-j} a_j$$

Figure 9

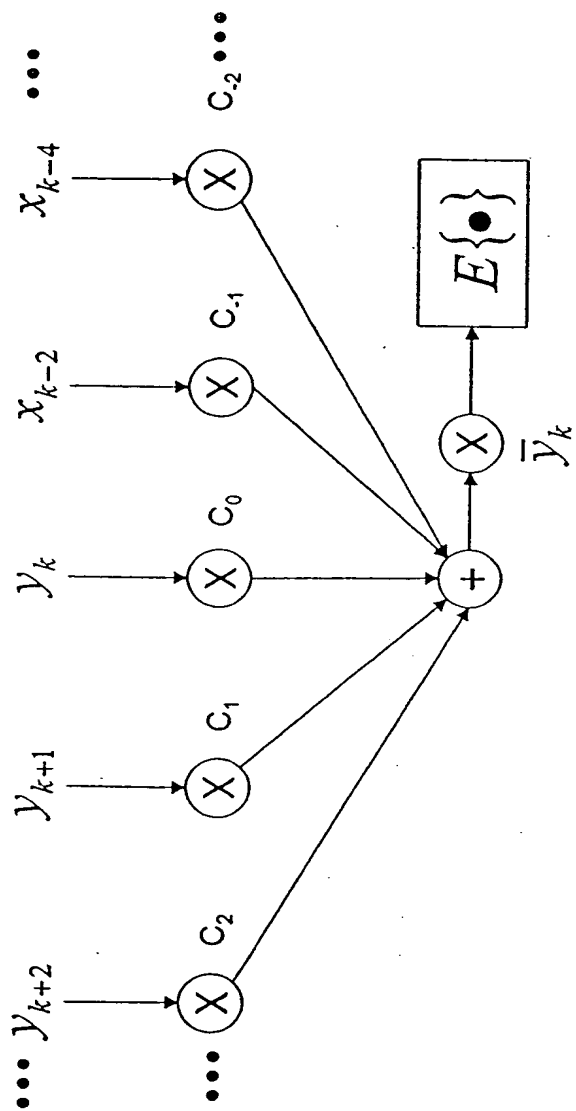


Figure 10

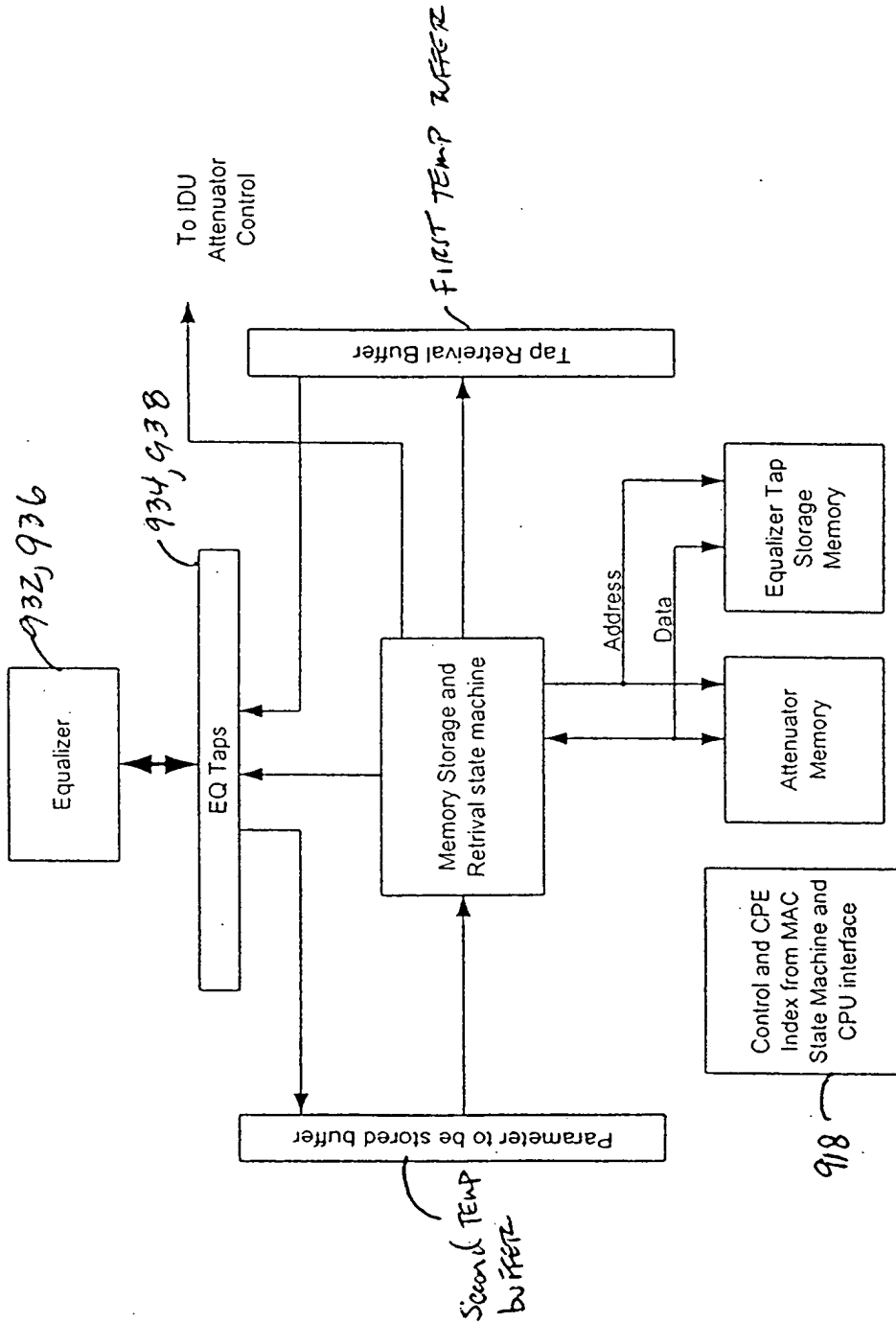


FIGURE 11

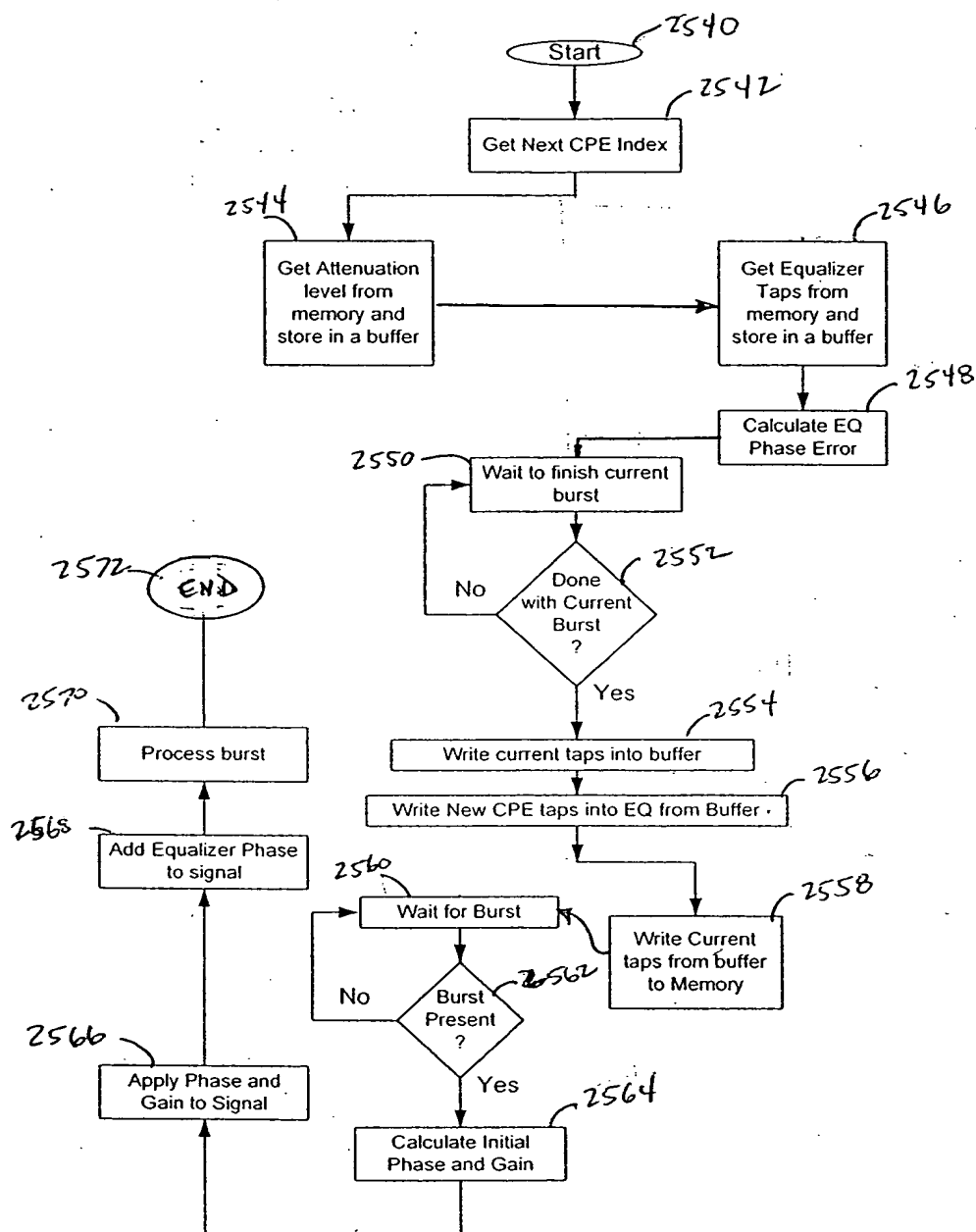


FIGURE 12

DIGITAL FORMULATION PARAMETER STORAGE AND RECOVERY

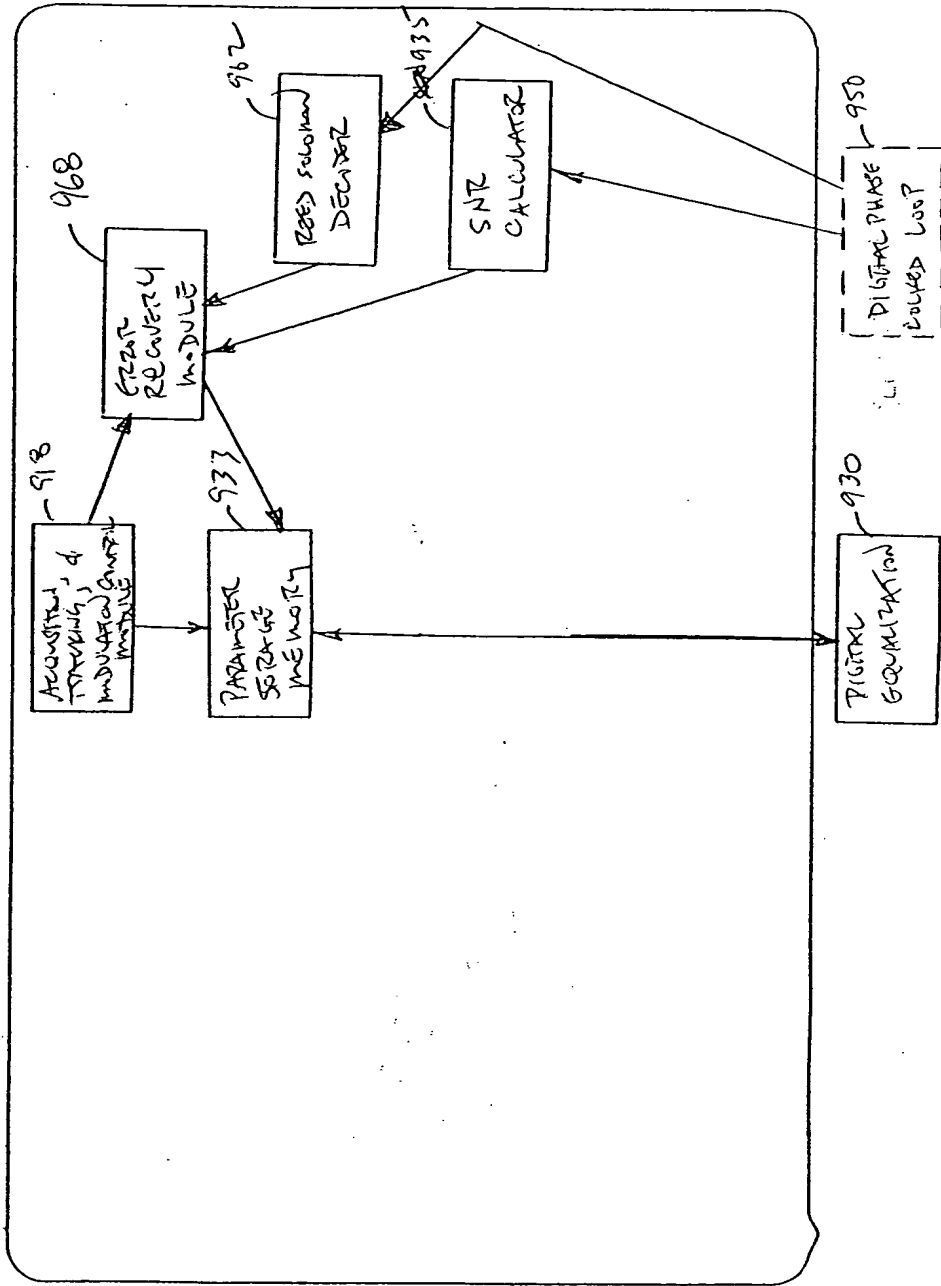


FIG. 13

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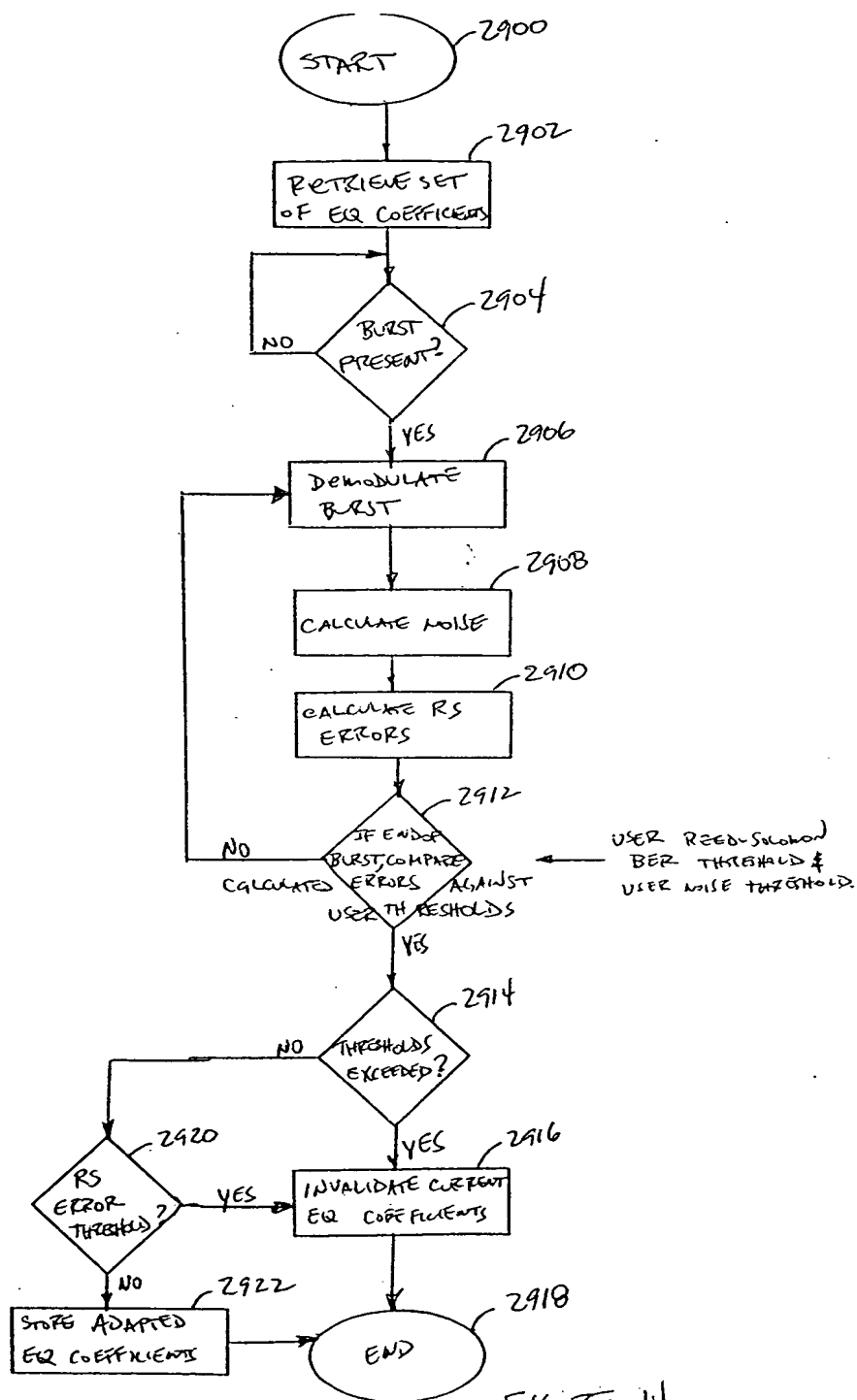


FIGURE 14